Center of Academic Excellence – Cyber Operations Program Application

Name of Institution: _____

Mailing Address of Institution:

_____

_____

_____

Department Submitting Application (e.g., Computer Science (CS), Electrical Computing Engineer (ECE)): _____

Nationally accredited? ☐ Yes   ☐ No

Name of accreditation body: _____ Date of accreditation: _____

Regionally accredited? ☐ Yes   ☐ No

Name of accreditation body: _____ Date of accreditation: _____

NOTE: Provide a copy of the Degree Programs related to the Cyber Operations curriculum to include a description of the degree, sample course schedule, and course descriptions for courses that contribute to meeting the academic requirements of the CAE-Cyber Ops program.

Institution's Primary Point of Contact (POC):

Name: _____

Office Phone #: _____

Office Email Address: _____

Institution's Alternate POC(s):

Name: _____

Office Phone #: _____

Office Email Address: _____

Name: _____

Office Phone #: _____

Office Email Address: _____

University's President's Name and Official Email Address:
_____

_____

Describe how students who participate in the Cyber Operations curricula will be distinguished from other (non-Cyber Operations) students.

_____

_____

_____

_____

_____

_____

Provide a list of research topics believed to be related to the Cyber Operations program in which faculty is currently involved:

_____

_____

_____

_____

_____

Provide research topics believed to be related to the Cyber Operations program in which students are currently engaged or could engage:

_____

_____

_____

_____

_____

Describe Cyber Operations-related outreach efforts in which students are currently involved or could participate (e.g., Cyber exercises, volunteers at local K-12 schools, cyber camps, etc.):

_____

_____

_____

_____

Identify the names and number of Faculty who teach active Cyber Operations related program courses:

_____

_____

_____

_____

Our Institution understands and believes our program meet the criteria defined for the CAE-Cyber Operations program and have active courses that cover the mandatory knowledge units and at least 60% of the optional units to meet the academic content requirements. Our Institution agrees, as part of the application process, that their program will participate in an in-person curricula review of courses satisfying the mandatory and optional knowledge units

as part of the application review and selection process. If designated a CAE-Cyber Operations institution, our institution also agrees to participate in NSA-hosted Summer Seminars as part of the program.

_____   _____

Signature   **Date**

CAE-CYBER OPERATIONS PROGRAM
COURSE ALIGNMENT TO KNOWLEDGE UNITS

Mandatory Knowledge Units	Course #	Course Title	Instructor Name
Low Level Programming			
Reverse Engineering			
Operating System Theory			
Networking			
Telecommunications			
Discrete Math			
Legal			
Overview of Cyber Defense			
Security Fundamental Principles			
Vulnerabilities			

Optional Knowledge Units	Course #	Course Title	Instructor Name
Programmable Logic Languages FPGA Design			
FPGA Design			
Wireless Security			
Virtualization			
Large Scale Distributed Systems			
Risk Management of Information Systems			
Computer Architecture			
Microcontroller Design			
Software Analysis			
Software Development (Building Software)			
Embedded Systems			
Forensics			
Systems Programming (kernel level)			
Applied Cryptography			
SCADA Systems			
HCI/Usable Security			